


# LUCY E DELANEY

University of Illinois at Chicago  
Department of Biological Sciences  
Chicago, IL 60607



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## INTERESTS

Conceptual understanding of evolutionary principles, evolution-centered teaching of biology, educational & racial equity,  for undergraduate education, macroevolution, the evolution of plant breeding systems

## EDUCATION

### Ph.D. candidate, Ecology & Evolutionary Biology

University of Illinois at Chicago

Dissertation: *The Nature of Adaptation and the Epistemology of Natural Selection*

*Expected 2022*

Chicago, IL

### M.A., Molecular & Cellular Biology

Hunter College of the City University of New York

2016

New York, NY

### B.S., Forensic Molecular Biology, Philosophy

John Jay College of the City University of New York


2012


New York, NY


## SKILLS

 R and RMarkdown

 Technician radio license

 L<sup>A</sup>T<sub>E</sub>X and BibT<sub>E</sub>X

 HTML and CSS

 Shell scripting (novice)



 Adobe Illustrator

 Microsoft Office Suite

## UNIVERSITY TEACHING


### BIOS 220 Mendelian and Molecular Genetics

Fall 2019–Summer 2020

Sophomore-level course focusing on Mendelian inheritance patterns and molecular mechanisms of inheritance. Helped managed transition from in-person to online delivery. Responsible for teaching discussion section, creating digital course materials & exams, grading, drop-in hours, and Blackboard administration.  

### BIOS 331 General Ecology Laboratory

Summer 2019

Application of ecological and evolutionary concepts with hands-on experiments and field trips to local natural areas. Responsible for weekly laboratory instruction, drop-in hours, and grading. 


### BIOS 230 Ecology and Evolution

Spring 2019

Sophomore-level course with emphasis on basic ecological systems, ecosystem dynamics, and evolutionary principles. Responsible for weekly office hours, assignment creation, and grading.

### BIOS 430 Evolution

Fall 2017–Fall 2018



Upper-division, programming-focused course on evolutionary theory and principles. Responsible for weekly drop-in hours & debugging, quiz materials, and grading of  programming assignments.

### BIOS 120 Biology of Populations and Communities

2016–2017

Introductory biology laboratory course with emphasis on ecological and evolutionary principles. Responsible for twice-weekly laboratory instruction, drop-in hours, and grading.


## COMMUNITY TEACHING

**Course Builder & Trainer** UIC Biological Sciences Department 2020–Present  
Trained in online instructional design & pedagogy, and software relevant to online teaching & learning. Assisting Biological Sciences Department faculty members in transitioning their courses online, and managing technical aspects of courses throughout online delivery. Creator and maintainer of the UIC Course Builder Website.  

**Tutor** Nurturing Wisdom Tutoring 2018–2020  
Highly-rated individual tutoring for grades 7-12 in test preparation (SAT and high school entrance exams), science, mathematics, and writing.

**Substitute Teacher** Chicago-area Charter Schools 2015-2016  
Substitute teacher for elementary, middle, and high school classes.

## TEACHING HONORS AND AWARDS

 **2021** Honorable mention, UIC Graduate Student Excellence in Teaching and Mentoring Award

 **2020** Recipient, Biological Sciences Department Graduate Teaching Award for BIOS 220

 **2018** Recipient, Biological Sciences Department Graduate Teaching Award for BIOS 430

## PAST AND UPCOMING PRESENTATIONS

### *Natural Selection Does Not Come Naturally*


 June 2021 *upcoming* at Annual Evolution Conference | Virtual Talk  

### *The Four Causes of Adaptation*

 March 2021 at Midwest Ecology and Evolution Conference | Awarded Best Graduate Talk   

 January 2021 at SABER West | Virtual Roundtable  

### *The Phylogenetic Distribution and Frequency of Self-Incompatibility in Fabaceae*, with Ramanauskas, K. & Igić, B.


 July 2021 *upcoming* at Annual Meeting of the Botanical Society of America | Virtual Talk

 July 2018 at Annual Meeting of the Botanical Society of America | Rochester, MN | Poster 

### *Evolutionary Consequences of Plant Mating Systems*

 August 2017 at microMORPH Summer Course | Arnold Arboretum, Harvard | Talk 

## PUBLICATIONS













**Delaney, Lucy E.** (2012). Nietzsche, nerve stimulation-image connection, and ontology. *John Jay's Finest*, 27, 99–103. 

### *In preparation*

**Delaney, Lucy E**, Ramanauskas, K., & Igić, B. The phylogenetic distribution and frequency of self-incompatibility in Fabaceae: What do we know?

**Delaney, Lucy E** & Igić, B. The orchids and their breeding systems.

## OTHER AWARDS AND TRAINING

-  **2020** Participant in the 2020 Chicago  Collaborative Conference 
-  **2018** Recipient of the Biological Sciences Department Travel Award
-  **2018** Reviewer for International Journal of Botany, Oxford Bibliographies
-  **2017** Accepted to NSF-funded workshop on Bayesian Analysis of Macroevoolutionary Mixtures 
-  **2017** Recipient of the Biological Sciences Department Travel Award
-  **2017** Accepted to microMORPH Plant Anatomy Summer Course at Harvard University 
-  **2016** General horticulture volunteer at Garfield Park Conservatory 

## PROFESSIONAL EXPERIENCE

**Forensic Molecular Biologist** at NYC Office of Chief Medical Examiner 2012–2015  
Examined evidence for the presence of biological fluids, performed serological & DNA analysis techniques, analyzed data & performed statistical analyses, wrote reports, and provided expert scientific testimony in court.

**Health Research Intern** at NYC Department of Health 2011-2012  
Accepted to the Health Research Training Program for a year-long internship with the Bureau of Environmental Disease Prevention. Received training in disease epidemiology, emergency preparedness & response, public health and outreach programs in environmental disease control & prevention, and emerging viral infections.

**Field Manager & Administrative Assistant** at Working Families Party 2008-2011  
Responsible for payroll, managing employees' healthcare coverage, bank deposits, and data entry. Organized informational events for the public, and served as Field Manager for multiple election and fundraising campaigns.